VORNADO®

READ AND SAVE THESE INSTRUCTIONS
Whole Room Heater Owner's Guide

LEER Y GUARDAR ESTAS INSTRUCCIONES
Guía del propietario el calentador para ambientes

www.vornado.com

model TVH 500

Designed, engineered and supported in Andover, Kansas.
Pensado, diseñado y respaldado en Andover, Kansas.

Questions or comments?
¿Prequntas o comentarios?

www.vornado.com

consumerservice@vornado.com

800.234.0604

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IMPORTANT INSTRUCTIONS
READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

Please visually inspect all internal and external components before connecting to electric current. If any damage is found, DO NOT USE THIS UNIT and contact Vornado Air LLC at 1-800-234-0604.

This product is equipped with a 3-prong plug, with a grounding pin as a safety feature. To reduce the risk of electric shock, this plug is intended to connect to properly grounded outlets only. This plug will fit into a grounded outlet only one way. Do not alter the plug. Do not attempt to defeat this safety purpose of the grounding plug.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before using this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Always unplug when not in use or when leaving the dwelling or premises for extended periods of time.
- **Do not** operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater, or return to authorized service facility for examination and/or repair.
- **Do not** use outdoors.
- This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- **Do not** run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- **Do not** insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

IMPORTANT INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip). Operate this heater only in its upright position.
- **Do not** operate this heater on an elevated surface such as a shelf or desktop. Use only while placed on the floor.
- This heater is equipped with a thermal safety shut-off system, designed to turn off the heater when an internal overheating condition is detected (see How To Use "RESETTING YOUR VORNADO HEATER," to determine how to check and reset the heater).
- **Do not** use this heater on a circuit that has a variable speed device operating, such as a blender or a variable speed fan.
- **Do not** use heater to dry human or animal hair/fur or articles of clothing.
- This product must be grounded. If the product malfunctions, grounding provides a path of least resistance for the electric current to reduce the risk of electric shock. The 3-prong plug must be inserted into a grounded outlet that has been properly installed in accordance with all electric codes and ordinances. If you are in doubt as to whether or not an outlet is properly grounded, contact a qualified electrician.
- **CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- This heater is for use on 120 volts. The cord has a plug as shown at A in Figure 65.1. An adapter as shown at C is available for connecting three-blade grounding-type plugs to two-slot receptacles.

The green grounding lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. The adapter should not be used if a three slot grounded receptacle is available.

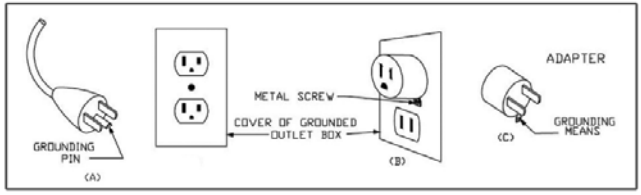


Figure 65.1

Note: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

IMPORTANT INSTRUCTIONS
READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

➤ Consult the dealer or an experienced radio/TV technician for help. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) his device must accept any interference received, including interference that may cause undesired operation. This Class B digital apparatus complies with Canadian ICES-003.

- **Do not** use this heater in an RV, a boat, or in any application where a DC/AC converter is converting battery power to AC power.
- **Do not** use the heater on any Ground-Fault Circuit Interrupted (GFCI) circuit. A GFCI circuit has a reset button in the middle of the outlet.
- **Do not** use this heater on a surge protected circuit.
- **Do not** use the heater with any kind of timer to turn the unit on or off.
- **Do not** use this heater on a circuit that is shared with a high power device, such as a vacuum or a circular saw.
- **CAUTION:** A loose fit between the outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product. Contact a qualified electrician to replace loose or worn outlet.

SAVE THESE INSTRUCTIONS

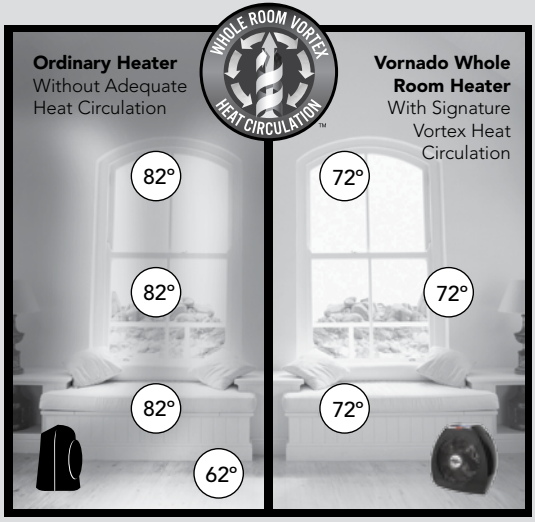
Trust.

It is said that trust isn't given, but earned. For decades Vornado has been earning the trust of our customers by offering them only the best. Vornado provides the highest level of performance, coupled with the highest level of support available. Complete satisfaction with no exceptions – this is Vornado's promise to you. If you are not satisfied for any reason, please contact us. Knowledgeable representatives are available at 1-800-234-0604 from 7:00 AM to 6:00 PM CST. A wealth of additional support is also available online at www.vornado.com. On behalf of myself and the entire staff at our Andover, Kansas headquarters – thank you for selecting Vornado.

Sincerely,
Randy Brillhart
CEO, Vornado Air

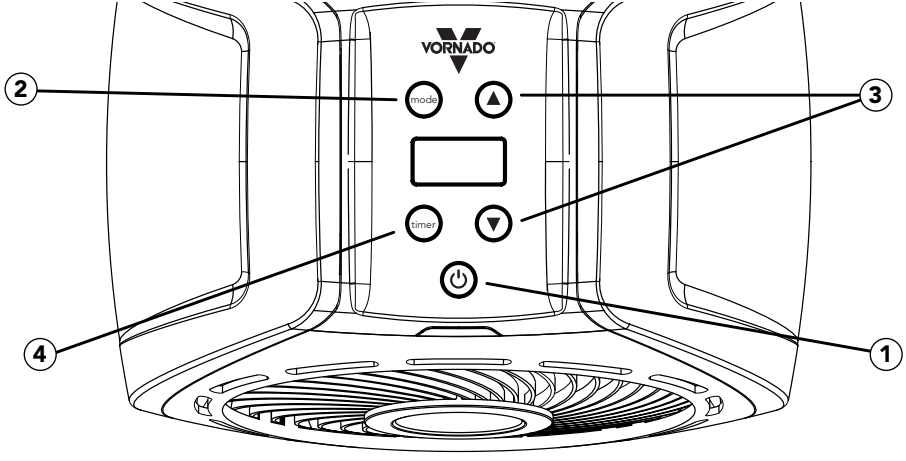
Find our complete product line at www.vornado.com

Vornado® Vortex Action



Ordinary heaters provide only localized heat. Heat immediately rises to the ceiling, resulting in cold and hot spots in the room. Vornado's unique Vortex Action delivers continuous, uniform heat surrounding everyone in the room in a warm, comfortable temperature.

How To Use Heater Controls



Remote (TVH 500 Charcoal Only)
The remote control functions the same as the unit controls. The remote requires 2 AAA batteries. To replace the batteries remove the cover located on the bottom side of the remote.

1 Power On/Off
Front light illuminates when power is on.

2 Mode
High Heat (1500 watts), Low Heat (750 watts), or Fan Only.

3 Temperature
Allows you to select your desired comfort level. Press the up arrow to raise the set temperature. Press the down arrow to lower the set temperature.

4 Timer
The Timer can be set in hour intervals up to 9 hours. Press the Timer button to go into timer mode. In timer mode, press the up arrow to add hours, press the down arrow to reduce hours.

Sound
When a setting is changed the unit will "beep".

LCD Display Screen
Displays current settings.

Getting Started

Using your Vornado Heater is easy. Just follow these simple steps.

1. Position your heater so the vortex beam of warm air is directed across the room unobstructed. Position it in a location that is representative of the room temperature. Avoid areas of temperature extremes such as cold drafts and heat registers (refer to IMPORTANT INSTRUCTIONS for safe placement).
2. Plug into a standard grounded wall outlet.
3. Press the Power button.
4. Select the mode you wish to use (Low, High or Fan Only.)
5. Set thermostat to desired temperature using the up and down arrows.

Resetting Your Vornado Heater

Your Vornado Heater has a multi-level safety shut-off system designed to prevent overheating. Overheating may occur when the inlets or outlet are blocked, a foreign object prevents the blade from turning, or the appliance tips over. If this happens, the safety shut-off system will cut power to the heat element and you will need to manually reset the heater.

1. Turn the Power switch Off and unplug the unit.
2. Remove any obstructions.
3. Wait 5–10 minutes, allowing the unit to cool down.
4. Plug in the unit and place in desired position.
5. Turn the Power switch On. Your Vornado Heater should now function normally.

Note: If the safety shut-off system repeatedly shuts off your heater or if it will not reset after following the above procedure, DO NOT ATTEMPT TO DISASSEMBLE THE UNIT. Call Vornado Consumer Services Department toll-free at 1-800-234-0604.

Advanced Safety Features

Tight Grill Spirals
Resists curious fingers.

Metal Construction
Forged from steel to be fire resistant, yet cool to the touch.

Automatic Safety Shut Off System
If airflow becomes blocked, power to the heating element is shut off to prevent overheating.

Tip-Over Protection
Heater will automatically shut off if tipped towards the front or back.

Ideal 120°F Exit Air Temperature
Warm enough to heat an entire room.

Grounded Heavy-Duty Power Cord
Adds durability and a more secure wall connection.

Cleaning and Storage

How to Clean

- Your heater has no user serviceable parts. Do not disassemble the unit. This will void your warranty. If service is required, return your heater to Vornado (see WARRANTY for instructions).
- The motor is permanently lubricated and requires no oiling.

Because your heater moves a substantial amount of air, it will need regular cleaning. To clean follow these simple instructions:

1. Unplug the unit.
Note: Do not use gasoline, thinners, solvents or other chemicals for cleaning.
2. Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Grill and Air Inlets. Wipe down the entire surface with a soft cloth.
Note: Vacuuming the outside of the heater is recommended on a bi-weekly basis. You may also blow the heater out with high pressured air. This can be purchased from your local hardware store.

Storage

During the off-season or after extended periods of non-use, you may choose to store your heater. To ensure long life of the product, it is recommended to store your heater by following these instructions:

1. Unplug power cord and bundle loosely.
2. Thoroughly clean your heater (see HOW TO CLEAN for instructions).
3. Cover, or place back in retail carton if available. This will prevent the unit from accumulating dust overtime.
4. Store unit in a cool and dry location.

Troubleshooting

Problem	Possible Cause and Solution
Unit fails to power on.	Unit is not plugged in. Plug Power Cord into electrical outlet.
	Household circuit breaker / ground fault interrupter has tripped or blown a fuse. Reset circuit breaker / ground fault interrupter, or replace fuse (See OPERATING TIPS).
	The unit has overheated. Automatic Safety Shut-Off has initiated (See RESETTING YOUR VORNADO HEATER).
	Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.
Unit is not producing sufficient amount of heat.	Ensure unit is set to High Heat and set temperature is at the highest setting.
	Close all doors and windows to trap heat.
	Allow the unit to fully circulate the heat throughout the room, may take several minutes.

Operating Tips

- To properly carry the heater, place one hand on the back opening and use your other hand to hold from the front.
- In smaller areas, you might prefer to set the unit in Low mode. A vortex beam of air will gently keep the air circulating in the room for even, uniform heating.
- In larger spaces, you might prefer to set the unit in High mode. A vortex beam of air will gently keep the air circulating in the room for even, uniform heating.
- To use the TVH 500 as a personal fan, set the mode to Fan.
- The TVH 500, like any other 1500-watt electric heater, draws up to 12.5 amps of electric current. If using your TVH 500 on High setting causes your home circuit breaker or fuse to trip, we offer the following suggestions:
  - Try turning off other electrical appliances that run on the same circuit as your heater.
  - Run your heater in Low mode.
  - Have your electrician add an additional circuit to your home's electrical system.
- When the room temperature is higher than the set temperature it is normal and correct to have little to no heat coming out of the TVH 500. When the unit is first turned on there is a slight delay before heat will start to be produced.
- ALWAYS USE COMMON SENSE WHEN USING THIS AND/OR ANY ELECTRICAL APPLIANCE.
- Do not use more than one heater at a time.
- Never ignore or take lightly the signs of an electrical problem, such as:
  - Warm outlet cover plates
  - Sparking at outlet when plugging in or during operation
  - Light flickering or dimming (indicates a shared circuit or problem)

  Investigate the cause of these before continuing to use the heater.

Whole Room Heater • 5 Year Limited Warranty

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Whole Room Heater ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase, depending on model. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost. Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commercial use of the Product, damages which occur in shipment or are attributed to acts of God.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.
For warranty or repair service, call 1-800-234-0604 or email consumerservice@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service. After receiving the RA form, ship your Product to:

Vornado Air LLC
Attn: Warranty & Repair
415 East 13th Street
Andover, KS 67002

For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock.

Please allow 1-2 weeks for repair and return of your Product after the Product is received. For your records: Staple or attach your original sales receipt to this Owner's Guide. Please also write your products's serial number below (located on product specs decal).

Serial No. _____

Product registration available online at www.vornado.com
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Manufactured in China.
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PRODUCT SPECIFICATIONS

MODEL	TVH 500
VOLTAGE	120V~
WATTAGE	1500W
AMPERAGE	12.5A
UNIT DIMENSIONS	11.6” (29.5 CM.) x 9.3” (23.6 CM.) x 11.4” (29.0 CM.)

ESPECIFICACIONES DEL PRODUCTO

MODELO	TVH 500
VOLTAJE	120V~
VATIAJE	1500W
AMPERAJE	12.5A
DIMENSIONES DE LA UNIDAD	11.6” (29.5 CM.) x 9.3” (23.6 CM.) x 11.4” (29.0 CM.)

Vornado Air, LLC
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